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ABSTRACT

A computer program is given which will generate a list of descriptions of the items to which a student has responded incorrectly on the Keymath Diagnostic Arithmetic Test. It is designed for the TRS-80, Model III, with two disk drives. The documentation lists all required materials, describes the six options and how to use them, indicates the procedures for getting started and using the program, and briefly presents sample output. The program description listing is provided in paper form; however, the "Error Descriptions for Math Test" diskette must be obtained to diagnose errors. (MNS)

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USER'S GUIDE

ERROR DESCRIPTIONS FOR MATH TEST

JOCELYN REES & LINDA COYLE

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USER'S GUIDE

ERROR DESCRIPTIONS FOR MATH TEST

PURPOSE

This program will generate a list of descriptions of the items to which the subject has responded incorrectly on the Keymath Diagnostic Arithmetic Test* and will print one or more copies of a report listing the descriptions.

REQUIREMENTS

TRS-80, Model III with 2 disk drives (Our computer has 48K, but the program may run with less RAM.)

A TRS-DOS diskette

The "Error Descriptions for Math Test" diskette

Printer compatible with TRS-80, Model III, supplied with continuous roll paper (8.5 by 11 or 14 by 11 inches)

A correctly marked diagnostic record showing the subject's responses on the Keymath Diagnostic Arithmetic Test

OPTIONS

This program offers you a choice of six options. Option 1 consists of a summary of the operating instructions. Option 2 allows you to identify the test items to which the subject responded incorrectly and receive a printed copy of descriptions of the errors. At the same time the program builds a file under the subject's name which you may use to print one or more additional copies of the report. By choosing Option 3 you can print another report for a subject whose data you have entered at some earlier date. Option 4 permits you to delete the file of a subject for whom data is no longer needed and Option 5 allows you to modify the descriptions of the test items. Option 6 terminates the program.

Each of the options contains its own prompts which guide you in supplying the needed information.

*Connolly, Austin J., William Nachtman, and E. Milo Pritchett. Keymath Diagnostic Arithemtic Test. Circle Pines, Minnesota: American Guidance Service, Inc., 1971.

GETTING STARTED

Turn the printer on and check the paper supply. Position the beginning of the paper at the first printing line of your printer. Turn the computer on and wait until the red lights go out. Then place the TRS-DOS diskette in Drive 0 and the "Error Descriptions" diskette in Drive 1. Press the orange "Reset" button and follow the usual sequence to get into BASIC. When the system asks, "How many files?" respond "2". Load the error descriptions program using the command, <Load "ERRORDES:1" >, and when the computer shows ready, type <RUN>.and press <ENTER>.

Choose an option from the menu and respond to the computer's questions. The program will automatically return to the menu at the end of each option. You may stop the program at any time by pressing <BREAK>.

OPTION 2 DIRECTIONS

In this option you will first be asked to indicate the size of the paper you are using. Then directions will appear on the screen requesting the subject's name, the date of testing, and the name of the examiner. As you type each response the computer will show it on the screen and ask whether it is correct.Type <Y> (for "Yes") or <N> (for "No") and press <ENTER>. Your correct (or corrected) responses will be transferred to the printer.

When the question, "Which subtest?" appears on the screen, enter the letter of the first subtest for which you wish error descriptions. (Normally this will be Subtest A.) The computer will then ask, "Is the subtest letter correct?" Type <Y> or <N> to indicate your response. When requested, enter the number of the first item to which the subject responded incorrectly on the current subtest and verify your response as above. As each item is entered and verified, a description of that item will appear on the screen and will be added to the printed report. the program will also build a file containing these descriptions under the subject's name which you may use later on. (Note: To avoid copyright infringement, the descriptions used in this program are not the same as the behavioral objectives given in the Keymath test manual.)

If you accidentally type in a number for which there is no test item (for example "25" on Subtest A, which has only 24 items), the printer will not respond. Simply type in the correct number or follow the instructions in the next paragraph.

When you have entered all items for the current subtest, respond with <0> to the question, "Which item incorrect?" When all subtests have been completed respond

with <X> to the question, "Which subtest?" Prompts for these responses are written into the program and will appear on the screen.

When you have indicated that there are no more subtests for which you wish error descriptions, the computer will ask whether you wish to print another copy of the report for this subject. Respond by typing <Y> or <N>.

Finally the computer will ask whether you wish to run the program again to enter the responses for another subject. Again type <Y> or <N>.

After you have used the program several times it is wise to check the directory of your diskette to determine how many granules are free before entering data for another subject. This is done most conveniently BEFORE sending the computer into BASIC. In the TRS-DOS READY Mode, type "DIR :1" and the computer will show a directory of your diskette and give the number of free granules. (When you received the diskette there were 144 granules free.) As each subject's file is entered, the number of free granules will decrease. You should note the number of granules required by each of your report files and be certain that there is sufficient space on your diskette before beginning a new file. If there is not enough space, you may provide some by using Option 4 to delete a file(s) which is no longer needed. The directory is also a convenient way to check on the spelling of subject's names when Option 3 (printing an additional report) or Option 4 (deleting a subject's file) are to be used.

OUTPUT FOR OPTION 2

A sample of the output of the program is shown below.

ERROR DESCRIPTIONS FOR MATH TEST

SUBJECT'S NAME JOHN DOE

DATE OF TESTING 11/01/83

EXAMINER'S NAME J. M. REES

SUBTEST A: NUMERATION
A-8 TELLING THE NUMBER OF ELEMENTS IN A SUBSET

SUBTEST B: FRACTIONS:
B-5 READING A FRACTIONAL NUMERAL

SUBTEST C: GEOMETRY AND SYMBOLS:
C-6 FINDING A TRIANGLE AMONG SEVERAL SHAPES

In order to accommodate the longest error description, all fields in the data base have been set at 255 characters. For this reason, in reports printed on 14 inch wide paper each error description will require two lines (or one written line and one blank line). In reports printed on 8.5 inch wide paper each description requires a total of four written and blank lines.

OPTION 3 DIRECTIONS

To use Option 3 it is only necessary to enter the subject's name as it was originally written. To insure that each name exactly duplicates that originally used, you may wish to keep a written list of the subject's names. This list can be useful also for Option 4. An alternative is to list the disk directory using the procedure described in the directions for Option 2. The output from Option 3 will be the same as from Option 2.

OPTION 4 DIRECTIONS

This option also requires that you enter the subject's name exactly as it was originally written. When this option is chosen the file for the specified subject will be erased and will no longer exist. You will not be able to print any further reports for this subject.

You may also need to use Option 4 when your "Error Descriptions for Math Test" diskette becomes full. The program and its data bases occupy a portion of this diskette leaving 144 granules free for you to enter files for subjects. Refer to the directions for Option 2 for the use of the directory to determine the number of free granules on your diskette.

OPTION 5 DIRECTIONS

Option 5 allows you to make changes in the error descriptions. The program will ask for the subtest letter and for the item number you wish to change and it will show you the error description as it presently reads. After you enter the new wording and verify that it is correctly written, your changes will be written to disk. As a precaution, you may wish to copy the original wording before entering changes, so that you can restore the item to its present form if necessary.

OPTION 6 DIRECTIONS

This option allows you to exit from the program and reminds you to remove your diskettes before turning off the computer and the printer.

```
    10 REM "ERROR DESCRIPTIONS FOR MATH TEST:1"
20 POKE 16427,76
30 POKE 16424,64
40 ST%=PEEK(14312) AND 240
50 IF ST%<>48 THEN PRINT "PRINTER UNAVAILABLE.  TURN ON PRINTER THEN TYPE 'RUN' AND PRESS <ENTER>":STOP
60 CLEAR 1000
70 CLS
80 PRINT:PRINT:PRINT
90 PRINT TAB(22) "ERROR DESCRIPTIONS"
100 PRINT
110 PRINT TAB(24) "FOR MATH TEST"
120 PRINT
130 PRINT TAB(29) "BY"
140 PRINT
150 PRINT TAB(19) "JOCELYN MARIE REES, PH.D."
160 PRINT
170 PRINT TAB(29) "AND"
180 PRINT
190 PRINT TAB(21) "LINDA M. COYLE, M.ED."
192 PRINT:PRINT
195 PRINT TAB(9) "COPYRIGHT, 1984, JOCELYN REES & LINDA COYLE"
200 FOR X=1 TO 3000
210 NEXT X
220 CLS
230 PRINT : PRINT
240 PRINT TAB(7)"THIS PROGRAM WILL GENERATE AND PRINT A LIST OF"
250 PRINT
260 PRINT TAB(5) "DESCRIPTIONS OF THE ERRORS MADE BY A SUBJECT ON THE"
270 PRINT
280 PRINT TAB(13) "KEYMATH DIAGNOSTIC ARITHMETIC TEST."
290 PRINT TAB(13)"------- ---------- ---------- ----"
300 PRINT :PRINT : PRINT
310 PRINT TAB(2) "CONNOLLY, AUSTIN J., WILLIAM NACHTMAN, AND E. MILO PRITCHETT."
320 PRINT TAB(2)"KEYMATH DIAGNOSTIC ARITHMETIC TEST. CIRCLE PINES, MINNESOTA:"
330 PRINT TAB(2)"------- ---------- ---------- ----"
340 PRINT TAB(2)"AMERICAN GUIDANCE SERVICE, INC., 1971"
350 FOR X=1 TO 3000
360 NEXT X
370 CLS
380 PRINT TAB(29)"MENU"
390 PRINT
400 PRINT TAB(5) "1.  READ INSTRUCTIONS"
410 PRINT
420 PRINT TAB(5) "2.  BEGIN ERROR DESCRIPTION REPORT (NEW STUDENT FILE)"
430 PRINT
440 PRINT TAB(5) "3.  PRINT ADDITIONAL REPORT FOR EXISTING STUDENT FILE"
450 PRINT
```

```
460 PRINT TAB(5) "4.  DELETE A STUDENT FILE"
470 PRINT
480 PRINT TAB(5) "5.  MODIFY THE ERROR DESCRIPTION FILE"
490 PRINT
500 PRINT TAB(5) "6.  QUIT"
510 PRINT
520 PRINT TAB(15)"TYPE 1, 2, 3, 4, 5, OR 6 AND PRESS <ENTER>."
530 INPUT C
540 CLS
550 IF C=1 THEN 2700
560 IF C=2 THEN 610
570 IF C=3 THEN 3550
580 IF C=4 THEN 3420
590 IF C=5 THEN 4120
600 IF C=6 THEN 3990
610 GOSUB 4520
620 CLS
630 PRINT : PRINT
640 PRINT "ENTER SUBJECT'S NAME AND PRESS <ENTER>."
650 LPRINT
660 GOSUB 4490
670 LPRINT
680 INPUT A$
690 GOSUB 4490
700 LPRINT TAB(20)"ERROR DESCRIPTIONS FOR MATH TEST"
710 GOSUB 4490
720 LPRINT : LPRINT
730 PRINT A$
740 PRINT "IS SUBJECT'S NAME CORRECT? IF YES, PRESS <Y>. IF NO, PRESS <N>
750 INPUT N$
760 IF N$="N" THEN 640
770 IF N$="Y" THEN 810
780 PRINT "YOU MUST RESPOND WITH <Y> OR <N>!"
790 GOTO 750
800 GOSUB 4490
810 LPRINT TAB(5)"SUBJECT'S NAME:     ";A$
820 GOSUB 4490
830 LPRINT
840 OPEN "O", 2, A$+":1"
850 PRINT#2, "                          ERROR DESCRIPTIONS FOR MATH TEST"
860 O$="SUBJECT'S NAME:     "+A$
870 PRINT #2, O$
880 PRINT "ENTER DATE OF TESTING AS MM/DD/YY.. THEN PRESS <ENTER>."
890 INPUT B$
900 PRINT B$
```

```
910 PRINT "IS THE DATE OF TESTING CORRECT? IF YES, PRESS <Y>. IF NO, PRESS <N>."
920 INPUT N$
930 IF N$="N" THEN 880
940 IF N$="Y" THEN 980
950 PRINT "YOU MUST RESPOND WITH <Y> OR <N>!"
960 GOTO 920
970 GOSUB 4490
980 LPRINT TAB(5)"DATE OF TESTING:   ";B$
990 GOSUB 4490
1000 LPRINT
1010 O$="DATE OF TESTING:   "+B$
1020 PRINT #2, O$
1030 PRINT "TYPE EXAMINER'S NAME AND PRESS <ENTER>."
1040 INPUT E$
1050 PRINT E$
1060 PRINT "WAS EXAMINER'S NAME ENTERED CORRECTLY? IF YES, PRESS <Y>. IF NO, PRESS <N>."
1070 INPUT N$
1080 IF N$="N" THEN 1030
1090 IF N$="Y" THEN 1130
1100 PRINT "YOU MUST RESPOND WITH <Y> OR <N>!"
1110 GOTO 1070
1120 GOSUB 4490
1130 LPRINT TAB(5)"EXAMINER'S NAME:   "E$
1140 GOSUB 4490
1150 LPRINT
1160 GOSUB 4490
1170 LPRINT
1180 O$="EXAMINER'S NAME:   "+E$
1190 PRINT #2, O$
1200 GOSUB 4490
1210 LPRINT
1220 CLS
1230 PRINT "WHICH SUBTEST?  IF NO MORE SUBTESTS, ENTER <X>."
1240 INPUT S$
1250 LPRINT
1260 PRINT S$
1270 PRINT "IS THE SUBTEST LETTER CORRECT? IF YES, PRESS <Y>. IF NO, PRESS <N>."
1280 INPUT N$
1290 IF N$="N" THEN 1230
1300 IF N$="Y" THEN 1330
1310 PRINT "YOU MUST RESPOND WITH <Y> OR <N>!"
1320 GOTO 1280
1330 IF S$="X" THEN GOTO 2380
1340 GOSUB 4490
1350 IF S$="A" THEN LPRINT TAB(3)"SUBTEST A: NUMERATION"
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1360 IF S$="A" THEN 1770
1370 GOSUB 4490
1380 IF S$="B" THEN LPRINT TAB(3)"SUBTEST B: FRACTIONS"
1390 IF S$="B" THEN 1800
1400 GOSUB 4490
1410 IF S$="C" THEN LPRINT TAB(3) "SUBTEST C: GEOMETRY AND SYMBOLS"
1420 IF S$="C" THEN 1830
1430 GOSUB 4490
1440 IF S$="D" THEN LPRINT TAB(3) "SUBTEST D: ADDITION"
1450 IF S$="D" THEN 1860
1460 GOSUB 4490
1470 IF S$="E" THEN LPRINT TAB(3) "SUBTEST E: SUBTRACTION"
1480 IF S$="E" THEN 1890
1490 GOSUB 4490
1500 IF S$="F" THEN LPRINT TAB(3) "SUBTEST F: MULTIPLICATION"
1510 IF S$="F" THEN 1920
1520 GOSUB 4490
1530 IF S$="G" THEN LPRINT TAB(3)"SUBTEST G: DIVISION"
1540 IF S$="G" THEN 1950
1550 GOSUB 4490
1560 IF S$="H" THEN LPRINT TAB(3)"SUBTEST H: MENTAL COMPUTATION"
1570 IF S$="H" THEN 1980
1580 GOSUB 4490
1590 IF S$="I" THEN LPRINT TAB(3) "SUBTEST I: NUMERICAL REASONING"
1600 IF S$="I" THEN 2010
1610 GOSUB 4490
1620 IF S$="J" THEN LPRINT TAB(3)"SUBTEST J:  WORD PROBLEMS"
1630 IF S$="J" THEN 2040
1640 GOSUB 4490
1650 IF S$="K" THEN LPRINT TAB(3) "SUBTEST K: MISSING ELEMENTS"
1660 IF S$="K" THEN 2070
1670 GOSUB 4490
1680 IF S$="L" THEN LPRINT TAB(3) "SUBTEST L: MONEY"
1690 IF S$="L" THEN 2100
1700 GOSUB 4490
1710 IF S$="M" THEN LPRINT TAB(3) "SUBTEST M: MEASUREMENT"
1720 IF S$="M" THEN 2130
1730 GOSUB 4490
1740 IF S$="N" THEN LPRINT TAB(3) "SUBTEST N: TIME"
1750 LPRINT
1760 IF S$="N" THEN 2160
1770 OPEN "R", 1, "SUBTEST/A:1"
1780 PRINT #2, "SUBTEST A:  NUMERATION"
1790 GOTO 2180
1800 OPEN "R", 1, "SUBTEST/B:1"
```

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1810 PRINT #2, "SUBTEST B:  FRACTIONS"
1820 GOTO 2180
1830 OPEN "R", 1, "SUBTEST/C:1"
1840 PRINT #2, "SUBTEST C:  GEOMETRY AND SYMBOLS"
1850 GOTO 2180
1860 OPEN "R", 1, "SUBTEST/D:1"
1870 PRINT #2, "SUBTEST D:  ADDITION"
1880 GOTO 2180
1890 OPEN "R", 1, "SUBTEST/E:1"
1900 PRINT #2, "SUBTEST E:  SUBTRACTION"
1910 GOTO 2180
1920 OPEN "R", 1, "SUBTEST/F:1"
1930 PRINT #2, "SUBTEST F:  MULTIPLICATION"
1940 GOTO 2180
1950 OPEN "R", 1, "SUBTEST/G:1"
1960 PRINT #2, "SUBTEST G:  DIVISION"
1970 GOTO 2180
1980 OPEN "R", 1, "SUBTEST/H:1"
1990 PRINT #2, "SUBTEST H:  MENTAL COMPUTATION"
2000 GOTO 2180
2010 OPEN "R", 1, "SUBTEST/I:1"
2020 PRINT #2, "SUBTEST I:  NUMERICAL REASONING"
2030 GOTO 2180
2040 OPEN "R", 1, "SUBTEST/J:1"
2050 PRINT #2, "SUBTEST J:  WORD PROBLEMS"
2060 GOTO 2180
2070 OPEN "R", 1, "SUBTEST/K:1"
2080 PRINT #2, "SUBTEST K:  MISSING ELEMENTS"
2090 GOTO 2180
2100 OPEN "R", 1, "SUBTEST/L:1"
2110 PRINT #2, "SUBTEST L:  MONEY"
2120 GOTO 2180
2130 OPEN "R", 1, "SUBTEST/M:1"
2140 PRINT #2, "SUBTEST M:  MEASUREMENT"
2150 GOTO 2180
2160 OPEN "R", 1, "SUBTEST/N:1"
2170 PRINT #2, "SUBTEST N:  TIME"
2180 FIELD 1, 5 AS I$, 250 AS D$
2190 LPRINT
2200 PRINT "WHICH ITEM INCORRECT?  IF NO MORE ITEMS ENTER <0>"
2210 INPUT P
2220 PRINT P
2230 PRINT "IS THE ITEM NUMBER CORRECT AS"TYPED? IF YES, PRESS <Y>. IF NO, PRESS <N>."
2240 INPUT N$
2250 IF N$="N" THEN 2200
2260 IF N$="Y" THEN 2290
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2270 PRINT "YOU MUST RESPOND WITH <Y> OR <N>!"
2280 GOTO 2240
2290 IF P=0 THEN 2360
2300 GET 1,P
2310 PRINT I$;D$
2320 O$=I$+D$
2330 PRINT#2,O$
2340 LPRINT TAB(3) O$
2350 GOTO 2200
2360 CLOSE 1
2370 GOTO 1220
2380 CLOSE 1,2
2390 PRINT "DO YOU WANT TO PRINT ANOTHER REPORT FOR ";A$;" ? TYPE <Y> OR <N>."
2400 INPUT P$
2410 IF P$="N" THEN 370
2420 CLOSE 2
2430 GOSUB 4520
2440 CLS
2450 LPRINT CHR$(12)
2460 OPEN "I", 2, A$+":1"
2470 IF EOF(2) THEN 2650
2480 INPUT#2,O$
2490 LPRINT TAB(20) O$
2500 LPRINT:LPRINT
2510 IF EOF(2) THEN 2650
2520 FOR X=1 TO 2
2530 INPUT#2,O$
2540 LPRINT TAB(5) O$
2550 LPRINT
2560 NEXT X
2570 INPUT#2,O$
2580 LPRINT TAB(5) O$
2590 LPRINT:LPRINT:LPRINT
2600 IF EOF(2) THEN 2650
2610 INPUT#2,O$
2620 LPRINT O$
2630 LPRINT
2640 GOTO 2600
2650 CLOSE 2
2660 PRINT "REPORT HAS BEEN PRINTED."
2670 FOR X=1 TO 800
2680 NEXT X
2690 GOTO 2380
2700 PRINT "PURPOSE:"
2710 PRINT
2720 PRINT "     THIS PROGRAM WILL GENERATE A LIST OF DESCRIPTIONS OF THE"
2730 PRINT "ITEMS TO WHICH A SUBJECT HAS RESPONDED INCORRECTLY ON THE"
2740 PRINT "KEYMATH DIAGNOSTIC ARITHMETIC TEST AND WILL PRINT ONE OR MORE"
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2750 PRINT "COPIES OF A REPORT LISTING THE DESCRIPTIONS."
2760 PRINT
2770 PRINT "     TO AVOID COPYRIGHT INFRINGEMENT, THE DESCRIPTIONS ARE NOT"
2780 PRINT "THE SAME AS THE OBJECTIVES LISTED IN THE TEST MANUAL. BY"
2790 PRINT "CHOOSING OPTION NUMBER 5 FROM THE MENU, YOU CAN MODIFY THE"
2800 PRINT "ERROR DESCRIPTION FOR ANY ITEM."
2810 PRINT : PRINT
2820 PRINT "PRESS ANY KEY AND <ENTER> TO GO ON."
2830 INPUT G$
2840 IF G$="G" THEN 2850
2850 CLS
2860 PRINT "REQUIREMENTS:"
2870 PRINT "     FOR THIS PROGRAM TO OPERATE PROPERLY YOU SHOULD HAVE"
2880 PRINT "THE TRS-DOS DISKETTE IN DRIVE 0 AND THE 'ERROR DESCRIPTIONS"
2890 PRINT "FOR MATH TEST' DISKETTE IN DRIVE 1."
2900 PRINT
2910 PRINT "     A PRINTER COMPATIBLE WITH THE TRS-80, MODEL III, MUST BE"
2920 PRINT "CONNECTED TO THE COMPUTER AND SUPPLIED WITH 8.5 BY 11 OR"
2930 PRINT "WITH 14 BY 11 INCH CONTINUOUS ROLL PAPER."
2940 PRINT : PRINT
2950 PRINT "PRESS ANY KEY AND <ENTER> TO GO ON."
2960 INPUT G$
2970 IF G$="G" THEN 2980
2980 CLS
2990 PRINT "REQUIREMENTS:"
3000 PRINT "     YOU WILL ALSO NEED A CORRECTLY SCORED DIAGNOSTIC RECORD"
3010 PRINT "FOR THE SUBJECT WHOSE ERRORS YOU WISH TO DESCRIBE."
3020 PRINT
3030 PRINT "FROM THIS RECORD YOU WILL OBTAIN THE SUBTEST LETTERS AND ITEM"
3040 PRINT "NUMBERS TO BE INPUT INTO THIS PROGRAM."
3050 PRINT : PRINT
3060 PRINT "PRESS ANY KEY AND <ENTER> TO GO ON."
3070 INPUT G$
3080 IF G$="G" THEN 3090
3090 CLS
3100 PRINT "GETTING STARTED"
3110 PRINT "     BE SURE THE PRINTER IS ON AND IS SUPPLIED WITH PAPER.
3120 PRINT "SINCE PERIPHERALS (SUCH AS THE PRINTER) SHOULD BE TURNED ON"
3130 PRINT "BEFORE THE COMPUTER, YOU MAY NEED TO REMOVE YOUR DISKETTES,"
3140 PRINT "TURN THE COMPUTER OFF, AND THEN START AGAIN BY TURNING ON THE"
3150 PRINT "PRINTER."
3160 PRINT
3170 PRINT "POSITION THE TOP OF A SHEET OF PAPER AT THE FIRST PRINTING"
3180 PRINT "LINE ON YOUR PRINTER AND SET THE PRINTER TO <10 PITCH>."
3190 PRINT : PRINT
3200 PRINT "PRESS ANY KEY AND <ENTER> TO GO ON."
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3210 INPUT G$
3220 IF G$="G" THEN 3230
3230 CLS
3240 PRINT
3250 PRINT "     AT THE END OF THESE INSTRUCTIONS YOU WILL BE RETURNED TO"
3260 PRINT "THE MENU TO SELECT ANOTHER OPTION. EACH OPTION CONTAINS ITS"
3270 PRINT "OWN INSTRUCTIONS WHICH REQUEST THE INFORMATION YOU NEED TO"
3280 PRINT "SUPPLY. MORE DETAILED INSTRUCTIONS ARE GIVEN IN THE USER'S"
3290 PRINT "GUIDE."
3300 PRINT "     YOU MAY STOP THE OPERATION OF THE PROGRAM AT ANY TIME BY"
3310 PRINT "PRESSING <BREAK>."
3320 PRINT : PRINT
3330 PRINT "PRESS ANY KEY AND <ENTER> TO GO ON."
3340 INPUT G$
3350 IF G$="G" THEN 3360
3360 CLS
3370 GOTO 370
3380 INPUT G$
3390 IF G$="G" THEN 3400
3400 CLS
3410 GOTO 370
3420 CLS
3430 CLEAR
3440 PRINT "ENTER SUBJECT'S NAME."
3450 INPUT A$
3460 PRINT
3470 PRINT "ARE YOU SURE YOU WANT TO DELETE ";A$;"'S FILE?  PRESS <Y> OR <N>.
3480 INPUT R$
3490 IF R$="N" THEN 3520
3500 PRINT "DELETING ";A$;"'S FILE"
3510 KILL A$+":1"
3520 INPUT "DO YOU WANT TO DELETE ANOTHER SUBJECT'S FILE";R$
3530 IF R$="N" THEN 370
3540 GOTO 3420
3550 CLEAR 1000
3560 GOSUB 4520
3570 CLS
3580 PRINT "ENTER SUBJECT'S NAME AND PRESS <ENTER>."
3590 INPUT A$
3600 PRINT "IS SUBJECT'S NAME CORRECT? IF YES, PRESS <Y>. IF NO, PRESS <N>."
3610 INPUT N$
3620 IF N$="N" THEN 3570
3630 IF N$="Y" THEN 3660
3640 PRINT "YOU MUST RESPOND WITH <Y> OR <N>!"
3650 GOTO 3600
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3660 PRINT "FINDING ";A$;"'S FILE."
3670 CLOSE 2
3680 LPRINT CHR$(12)
3690 OPEN "I", 2,A$+":1"
3700 IF EOF(2) THEN 3940
3710 INPUT#2,O$
3720 GOSUB 4490
3730 LPRINT TAB(20) O$
3740 GOSUB 4490
3750 LPRINT:LPRINT
3760 IF EOF(2) THEN 3940
3770 FOR X=1 TO 2
3780 INPUT#2,O$
3790 GOSUB 4490
3800 LPRINT TAB(5) O$
3810 GOSUB 4490
3820 LPRINT
3830 NEXT X
3840 INPUT#2,O$
3850 GOSUB 4490
3860 LPRINT TAB(5) O$
3870 GOSUB 4490
3880 LPRINT:LPRINT:LPRINT
3890 IF EOF(2) THEN 3940
3900 INPUT#2,O$
3910 GOSUB 4490
3920 LPRINT O$
3930 GOTO 3890
3940 CLOSE 2
3950 PRINT "REPORT HAS BEEN PRINTED."
3960 FOR X=1 TO 400
3970 NEXT X
3980 GOTO 370
3990 CLS
4000 PRINT : PRINT
4010 PRINT TAB(3) "GOODBYE!              DON'T"
4020 PRINT TAB(3) "GOODBYE!"
4030 PRINT TAB(3) "GOODBYE!                FORGET"
4040 PRINT TAB(3) "GOODBYE!"
4050 PRINT TAB(3) "GOODBYE!                   TO REMOVE"
4060 PRINT TAB(3) "GOODBYE!"
4070 PRINT TAB(3) "GOODBYE!                     YOUR"
4080 PRINT TAB(3) "GOODBYE!"
4090 PRINT TAB(3) "GOODBYE!                        DISKETTES!"
4100 PRINT TAB(3) "GOODBYE!"
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4110 END
4120 CLS
4130 CLEAR 1000
4140 PRINT "ENTER LETTER OF SUBTEST FOR  WHICH YOU WANT TO MODIFY ERROR DESCRIPTIONS, E.G.,ONE OF <A>  THROUGH <N>."
4150 PRINT
4160 PRINT "WHEN YOU HAVE COMPLETED ALL CHANGES RESPOND WITH <X> TO THE QUESTION <WHICH SUBTEST?>"
4170 INPUT S$
4180 IF S$="X" THEN 370
4190 PRINT "IS SUBTEST LETTER CORRECT? TYPE <Y> OR <N> AND PRESS <ENTER>."
4200 INPUT R$
4210 IF R$="Y" THEN 4240
4220 CLS
4230 GOTO 4140
4240 F$="SUBTEST/"+S$
4250 OPEN "R", 1, F$+":1"
4260 FIELD 1, 5 AS I$, 250 AS D$
4270 INPUT "WHICH ITEM DO YOU WANT TO CHANGE";P
4280 GET 1,P
4290 PRINT : PRINT
4300 PRINT "ITEM ERROR DESCRIPTION AS IT NOW READS:"
4310 PRINT
4320 PRINT I$;D$
4330 PRINT : PRINT
4340 PRINT "TYPE 'SUBTEST LETTER, DASH, ITEM NUMBER' (NO SPACES BETWEEN) FOR ITEM YOU WISH TO CHANGE;  E.G., 'A-3', AND PRESS <ENTER>."
4350 INPUT C$
4360 PRINT "TYPE THE DESCRIPTION AS YOU WOULD LIKE IT TO READ AND PRESS <ENTER>."
4370 INPUT Y$
4380 LET Q$="    "+Y$
4390 PRINT
4400 INPUT "WOULD YOU LIKE TO ALTER THE NEW DESCRIPTION BEFORE IT IS WRITTEN TO DISK";R$
4410 IF R$="Y" THEN 4340
4420 LSET I$=C$
4430 LSET D$=Q$
4440 PUT 1,P
4450 PRINT "DO YOU WANT TO CHANGE ANOTHER ERROR DESCRIPTION FOR SUBTEST ";S$;" ?"
4460 INPUT R$
4470 IF R$="Y" THEN 4270
4480 GOTO 4120
4490 FF%=PEEK(16425)
4500 IF FF%-1=63 THEN LPRINT CHR$(12)
4510 RETURN
4520 CLS
4530 PRINT "SELECT PAPER WIDTH BY TYPING <1> FOR 8.5 INCH WIDE PAPER"
4540 PRINT "OR BY TYPING <2> FOR 14 INCH WIDE PAPER. THEN PRESS <ENTER>."
4550 INPUT W
4560 IF W=1 THEN POKE 16427,76
4570 IF W=2 THEN POKE 16427,132
4580 RETURN
```